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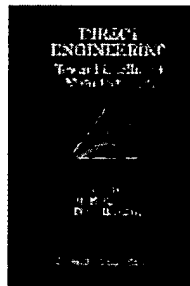
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## Direct Engineering: Toward Intelligent Manufacturing

by Ali K. Kamrani (Editor), Peter R. Sferro (Editor)



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- **Publisher:** Kluwer Academic Publishers; (May 1999)
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### Book News, Inc.

Contributors to this volume advocate direct engineering, a manufacturing process that seeks to turn the product development cycle into a single, unified process; the goal is to improve design by providing complete archival documentation of existing designs using 3-dimensional models with integrated manufacturing information throughout the design process. This volume contains 12 chapters arranged in four sections on feature-based and constraint-based design; knowledge-based engineering and design for manufacture; manufacturing integration; and rapid-part manufacturing. --  
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### Book Description

Direct Engineering (DE) is the creation of a product development cycle into a single, unified process. The design process in most industries is an evolutionary one (i.e., incremental changes to some existing design). DE is a manufacturing process that seeks to improve the design processes by providing complete archival documentation of existing designs. It uses three-dimensional geometric models with integrated manufacturing information throughout the design process. DE reduces the design cycle,... [read more](#)

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★★★★★ **Brilliant disguise !**, June 14, 1999

Reviewer: **A reader** from michigan

Ali Kamrani has ingeniously compild a set of random esoteric musings from his academic colleagues into a text book which he then forces students to purchase for a kings ransom. I pity the fool that purchases this without being forced to do so !

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